

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: WJ4PRandy@aol.com
Subject: [380] "Independence Day" the movie
Message-ID: <960702214048_426513815@emout14.mail.aol.com>

Hey gang!!!

Morse Code and "hams" play an important
part in the movie role in the movie "Independence
Day"....

...you heard it hear first - on QRP-L !!!!

dit di di dit dit dit dit

73, Randy WJ4P

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: thom.lacosta@fido261.qis.net (Thom LaCosta)
Subject: [362] BRown Bro Clones
Message-ID: <333_9607021544@fido261.qis.net>

Hello All!

Wow...thanks for all the email....seems like there quite a few of the group
that are interested in the project.

One savy soul even changed the subject to LaCosta Brothers (g). My brother,
also a ham, who is 'continuous wave challenged' will get a chuckle out of it.

I'm off to the 'designer' with the paddle in tow...Actually, the designer is
my Dad...who will assist in the drawings, and since we call him 'Guido', I
expect he'll point me in the right direction as far as a shop to cost it out.

What was most interesting was the reaction to the red paddle color....
Some wanted it, some didn't care...but the om that suggested fuchia had to be
pulling my leg.

I'll let everyone know as soon as I have any word on the 'doability' and
'wallet deflating' indices.

Thom LaCosta
K3HRN
thom@fido261.qis.net
Our Business is Business

--

|Fidonet: Thom LaCosta 1:261/1352
|Internet: thom.lacosta@fido261.qis.net
|Standard disclaimer: Take a Naugha to Lunch today YOU pay the bill!

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: thom.lacosta@fido261.qis.net (Thom LaCosta)
Subject: [383] Brown Bro Clones
Message-ID: <34c_9607022029@fido261.qis.net>

Hello All!

Well, the good news is that the Brown Brother's paddle can be cloned.

The bad news is that they were originally made from some molded pieces...so without the original molds, the costs to really 'dupe em' will be high.

I'm going to a patern shop tomorrow and see what the costs will be...

Sigh...and I really did want one that was solid brass with bright yellow paddles.

Thom LaCosta
K3HRN
thom@fido261.qis.net
Our Business is Business
--

|Fidonet: Thom LaCosta 1:261/1352
|Internet: thom.lacosta@fido261.qis.net
|Standard disclaimer: Take a Naugha to Lunch today YOU pay the bill!

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Thom <thom@li.net>
Subject: [368] Chargers
Message-ID: <Pine.SUN.3.91.960702181658.17081B-100000@linet01>

Hi and thanks for for help regarding this,

I seem to remember a discussion regarding the charging of Gell Cells.
I guess my question is how would I go about doing it.

If someone could steer me in the direction of the earlier posts, I'd appreciate it

Thanks es 73

Tom Mc Culloch

WB2QDG

thom@li.net

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996

From: ke1ex@ids.net (Laurent C. Lafond)
Subject: [369] Chargers
Message-ID: <199607022235.SAA52373@nss2.CC.Lehigh.EDU>

Hi Tom -

I am new to the net, and don't want to upset anyone's apple cart but from what I have learned in my short experience - you charge Gel Cells very carefully. It was a very good question and I will be anticipating the responses. Tks for asking it
Laurent

Hi and thanks for for help regarding this,
I seem to remember a discussion regarding the charging of Gell Cells. I guess my question is how would I go about doing it.

If someone could steer me in the direction of the earlier posts, I'd appreciate it
Thanks es 73
Tom Mc Culloch
WB2QDG
thom@li.net

From owner-qrp-l@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [378] CMOS III kit
Message-ID: <199607030135.BAA28243@chuck.dallas.sgi.com>

Gang,

A number of people in this group have commented on this fine kit and many use it. In fact you've seen people use it for contests, beacon work (AA4XX and WA3NNA), and just everyday QSOs.

The biggest two complaints have been the fact that many considered the write up in QST last year to be an advertisement. Well if you think this, then look at the letters section of this month's June QST. If we want people to continue to contribute then you gotta award them or they will concentrate their energies in other areas. IHMO. I know that some people just want the source code. Big deal. It'll cost you a lot of money to program Motorola processors unless you have the facilities at work. I did the 8051 and wound up with a system that was too large and not as good due to the

additional time that would be required to get the last bell and whistle in. There are too many other interesting things to do. :-)

The other complaint was the lack of building instructions, but that one has been solved. The latest version has an 8.5x11 page folded to make 3 pages with instructions and diagram showing parts layout and a voltage check list. With the schematic, the parts list, and the layout there is no excuse not to be able to put this puppy together. There just aren't that many parts. 15 1/4W resistors, 11 small caps, a resonator, two transistors, and an 8 pin and a 40 pin IC. Of course the PC board too. If I can count right.

Price \$58 postage paid in US. Add an additional \$3 US for DX. They don't take plastic.

Idiom Press, Box 1025, Geyserville, CA 95441-1025
They advertise in QST and other fine magazines.

Just another note for a fine product, this one to go into a case with the 30M rig for travel. Using 5V regulator so that I don't have to carry another battery or use separate power source.

FYI

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO TMPS 1996 Qs=043 States=22 Confirmed=11 DX=02 (0.95W)
AL AZ CA CO DC FL IL IN MD MI MO NC OH OK OR SD TN TX UT WA WI WY

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [325] Experimental calls
Message-ID: <Pine.SUN.3.90.960702072405.18761F-1000000@vortex.sage.dri.edu>

On Tue, 2 Jul 1996, Paul R. Valko wrote:

>
> >
> > Oh, Herman's call is W6XRL/4 in case anyone cares to look
> > it up. Wonder if he QSL's....
>
> Was that part of the script??? Did he actually use the call
> W6XRL(portable)4? I recall that there were NO calls with an X as the
> first letter of the suffix, until recently. So that was the
> ham-equivalent of a 555-xxxx telephone number.

>

Here at work, (The Desert Research Institute), we had the callsign of KA2XBW for almost 20 years. The class was experimental and was for 153.480 with a emission designator of 16K0F3E. That's the new way to say FM! For those of you who notice, .480 is not a "normal" channel. 15 kc spacing winds up being .470 and then .485. The experimental class licenses did not conform to the 15kc band plan.

The station was used to control a system of cloud seeding generators placed in the mountains around the Lake Tahoe area.

I let the license expire in Feb of 95 because it was no longer usfull for our system.

QRP: The generators run Motorola radios with output power of 3 to 5 watts and are batttry powered with solar charging.

(And I get paid to play with them!)

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: John Mckee <jmckee@rfmd.com>
Subject: [328] FD photos
Message-ID: <199607021457.KAA138072@nss2.CC.Lehigh.EDU>

Gang,

Where are the photos of the volcano FD? I can't find the original posting.

tnx es 73

John WB40FT

jmckee@rfmd.com

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Art Searle <asearle@netusa.net>
Subject: [329] FS: QRP++
Message-ID: <31D96389.55B@netusa.net>

For Sale:

Index Labs QRP++ serial #1356 with latest eprom and factory
approved mods with Icon Mic. Original box and manual.

525.00 including shipping

WU2K TMPS 1996 Qs=048 States=0 Confirmed=0 DX=040
3B8,5N,6W,6Y,8P,9H,9L,CY0,DL,EA8
EI,ER,ES,EU,F,G,GM,HA,HB0,HC
HI,HK0S,I,KP4,LA,LU,LZ,OK,OM,ON
OZ,SP,UR,VE,XE,YO,YU,Z3,ZF,ZL

--

72,73, de Art Searle, WU2K, Long Is., NY, ARRL Life Member
QRP-L #524, QRP ARCI #9123, NorCal pending, DXCC MX & CW HR
NRA Benefactor Life Member, NMLRA Life Member, AMA Life Member
NRA Certified Firearms Instructor, Dale Earnhardt Fan Club

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: jeffa@ix.netcom.com (Jeff Anderson)
Subject: [312] G4PZY paddles
Message-ID: <199607021244.FAA14308@dfw-ix5.ix.netcom.com>

Does anyone know if there is a contact in the states for G4PZY paddles,
and, if so, what is their phone number?

Thanks!

- Jeff, WA6AHL

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Mike Boice <MBoice@ix.netcom.com>
Subject: [356] G5RV antenna
Message-ID: <1.5.4.32.19960702181014.0067e418@popd.netcruiser>

Anyone here have experience with a G5RV dipole? I can just squeeze on onto
my lot, and was wondering what people thought of it. I do have one specific
question about it: one book says feed it with 300-600 ohm ladder line

(fine, I have some 450 ohm) cut to a "quarter or other odd wavelength at 14 MHz." Another book says to cut the line to 34 feet, then feed with 50 ohm coax.

Any real world experiences?

thanks,

mike
KD0FX
Richland, WA

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [319] Great QRP-TMPS
Message-ID: <199607021355.JAA27414@mh004.infi.net>

Hey Gang, I know most of you know this, but ain't QRP fun?!!

Last night about 11:15 I decided to give 30M a try just for a few minutes before hitting the sack.

Called CQ once and Karl, K2MJ, answered. We had a nice short chat since it was late, and when we signed off, I heard my call. It was F3NB, Andy, calling me!!

I had talked to Andy about 2 weeks ago, so he just wanted to let me know he heard me again. I told him he was becoming well known among the U.S. QRP group, because he's had QSOs with several on the list.

A few years ago, I thought, "If I ever get my Ham license, I'll be able to afford a linear, and some *real* equipment - that I couldn't afford when I was a kid." Now I think, "I've got some *real* (HB) equipment and why would I ever want a linear?" (or a mikrofone, for that matter) (whatever that is)

CUL,
Bob Kellogg, AE4IC
Prolably, but not nececelery. - Benny Hill

AE4IC TMPS 1996 QS=22 States=6 Confirmed=3 DX=14

NY,TN,TX,KS,PA,MD

G,OK,GM,UT,SH,DL,U,3B,YO,F,VA,LZ,EI,SP

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: KFGlynn@aol.com
Subject: [320] Half-Square Antenna
Message-ID: <960702095949_426048620@emout18.mail.aol.com>

Hi Gang,

In a recent QRPP the half-square antenna was discussed. (Can't locate the issue at the moment...) Does anyone have any experience with this antenna? It sounds like the perfect thing to complement my delta loop for portable field operation.

Looking for formulas for horizontal wire and two legs. Also wondering if I brought the feedline off at a 45 degree angle vs. right angles, how would that affect the radiation pattern. May be a bit difficult to bring it off at right angles.

I appreciate the info.

73 Kevin KB2TEO

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: bcutter@teal.csn.net (Bob Cutter)
Subject: [321] Hamstick/magmount
Message-ID: <199607021417.IAA28269@lynx.csn.net>

I did not pay attention the last time this was discussed, please forgive me.

Can I use a single magmount with my 6M Hamstick or do I need one of those big 3 magnet ones?

72, Bob KI0G
QBF? ZUE

Bob Cutter,Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996

From: bcutter@teal.csn.net (Bob Cutter)
Subject: [374] Hamstick/magmount
Message-ID: <199606301805.MAA07636@lynx.csn.net>

I was not paying attention when this was discussed earlier. please excuse me.

I want to use my 6M hamstick on a mag mount. Do I have to use one of the big three magnet ones or can I get by with a single?

72, Bob KI0G
QBF? ZUE

Bob Cutter,Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [330] Incredible E-skip AND tropo last night from FM19
Message-ID: <Pine.3.89.9607020934.A17286-01000000@w3eax.umd.edu>

TWO THINGS AT ONCE!

I noticed something was up when (I don't have cable :) I noticed Channel 6 was coming in clear from Richmond, VA. Hoped on 6, and it was open, short skip.

After I worked 6m for all it was worth with 5 watts and a dipole, I called up WB3ARZ, who tuned around 6m and heard lots of signals (5 el. at 80' will do that).

Went back to TV DX - on the rabbit ears and UHF loop, I copied

Channels 3,6,8,10,12 (VHF)
Channels 15,17,18,23,28,33,35,43,47,58, and 64.

Best DX was South Carolina on channel 17 (maybe Southern NC).

P.S. THIS WAS AT MIDNIGHT! This morning, I could still copy the Richmond TV stations. I could not watch the Baltimore stations last night due to all of the interference!

Even the DC stations were being messed with!

* Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 80-10/6/2/440 *
*** 6m 71 grids worked on 8 watts ** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC ** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w * 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: gss@ahipc.eds.com (Gary Schiltz)
Subject: [365] Jogging the Spartan Sprint
Message-ID: <199607022041.QAA15089@tali.ahipc.eds.com>

I had fun trying the Spartan Sprint last night, but found that I am
really rusty on CW, having hardly used it since upgrading to General
three years ago (I imagine that is akin to blasphemy on this list, but
I _am_ working on building my speed back up :-)

Although I wasn't very successful, I had a good time trying. But, I am
frustrated by how much my lack of speed limited my ability to
participate (I know, more incentive to practice). In the whole two
hours, I didn't hear anyone calling CQ SP slowly enough to copy their
call, even though I did hear a number of people calling CQ SP (that
much I was able to copy). And when I called CQ (at 5wpm), only one of
about five who came back to me sent slowly enough for me to get his
call, even after I sent QRS. I guess a contest isn't a good place
to increase my code speed.

Are there any CW QRP nets on 40M that operate at a slow speed, preferably
between 7025-7095 (the tuning range of my OHR QRP Explorer II)?

I hope this doesn't sound like a lot of whining. QRP seems like a lot of
fun, but I sure do need to get my code speed back up before I can make
the most of it.

72 de N8RUY
Gary Schiltz
Bloomfield Hills, MI
QRP-L #561

From owner-qrp-l@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Ron Giuntini <rong@slip.net>

Subject: [386] June QRPP
Message-ID: <E0ubIbX-0003yq-00@kiwi>

Let me be one of the first to thank those concerned for producing such a great periodical at a next to nothing price. This is my first issue and I look forward to many more. I have not built my 40 9er yet but I'm sure I will get much help from this source, as well as this list. Thanks Doug and all the others that contribute and work to make this group as enjoyable as it is. Ron #1718. (PS to Jim Parker; I finally found out my membership number!

KB6GK Ron
San Francisco

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Jeffrey Greer <KF4GKH@worldnet.att.net>
Subject: [382] Keys
Message-ID: <199607030156.BAA09019@mailhost.worldnet.att.net>

Hello All,

Someone recently asked about key preferences. I have been using a Bencher KY-1 straight key since I reacquired my license in January. It is solid and has a nice feel. The price was reasonable at \$75. After finishing my Wilderness Radio NC40A, I needed a paddle to set the KC-1. I had seen a Vibroplex Square Brass Racer at hamfest and thought it looked nice. I ordered one and received it late last Wednesday. Upon opening the box, I found that the UPS guy must have drop kicked it to the front porch. The paddles were splayed out at a wide angle and the contact on the left vertical post was broken off. grrr!

I called Vibroplex for assistance. The only one that was there at about 5:15 PM was Mitch. He told me to send it to the factory and they would repair or replace it. I boxed it up and sent it to them via priority mail the next day. As it had a low serial number, I included a note that I would prefer to have it repaired to preserve the low number. I called this afternoon just to see if it had arrived at their location. They didn't see it and would check and call right back. They called back within five minutes and said it had already been repaired and shipped. Within the hour, it arrived on the door step, repaired to new condition.

Four day turn around including a weekend is exceptional service. And would you believe they included a coffee mug with a gold leaf "bug" logo in the return package. Good company.

Naturally, no financial interest, just a customer.

Jeff, WD4ETO

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: N5EM@aol.com
Subject: [367] Less than TWO WEEKS!
Message-ID: <960702170314_426331214@emout16.mail.aol.com>

That's right! Less than two weeks left until

THE TEXAS ATV FORUM

If you are within driving range (or can afford a plane tix and want some serious ATV fun), get yourself to Houston, July 13 for the first Texas ATV Forum.

This will be an opportunity to dig deeper into the technical side of your hobby and see what the Houston bunch is doing. Hear more about public service activities, learn about building and maintaining an ATV repeater, have access to good TV test equipment to finally get those levels and filters set.

The place is the Hewlett-Packard Conference room, 2000 West Loop South, at the corner of San Felipe and the 610 Loop.

The time is from 8:00 A.M. until 6:00 P.M. Dinner will be at a near-by restuarant after the Forum.

Within a few minutes of the fasionable Galleria, there's no need to make the wife stay home. Bring her along and she can shop til she drops.

There will be technical presentations on many different facets of ATV, including beginners, intermediate, advanced: antennas, equipment, repeaters, video equipment. There will be something for everyone. If you come, you are guaranteed to learn something you can use.

There will also be an ATV auction! Bring your good junk and sell it so you can buy some of our good junk.

For additional information you may contact:

Texas ATV Forum
c/o Ed Manuel
10,430 Sagevale
Houston, Texas 77089

email: n5em@aol.com
www: www@stevens.com/HATS

There will be a \$5 registration fee to be collected at the door to cover the costs of handouts from the various presenters.

SPEAKERS:

If you haven't contacted us yet, DO IT NOW! We need your special expertise.

Please contact me at once so we may reserve a slot for you to talk about your technical speciality. The whole purpose of the Texas ATV Forum is to share information. Let's make all our systems better by sharing what we have individually accomplished with each other. We'll handle getting your material presentable. Just get the notes to us in advance so we can process it and have it ready to handout during your session. Don't wait. Call NOW. (Voice mail is standing by - (713) 917-9630).

Please circulate this note to interested parties, especially those who do not have email. Let's get the word out. Who knows, we may even have a session on coordination problems and interference (count on it!).

73 from Houston. See you in two weeks.

Ed Manuel, N5EM
Treasurer, Houston Amateur Television Society, Inc.

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Mark D Jarmuz <jarmuz@orichalc.acsu.buffalo.edu>
Subject: [372] looking to TRADE!!
Message-ID: <Pine.GS0.3.93.960702192611.16494A-100000@orichalc.acsu.buffalo.edu>

hi gang....
im looking to trade my MFJ9030 cw transceiver for a homebrew kit...(30 METERS ONLY).im more interested in trading it for the oakhill explorerII either built,unbuilt,or half built...
i would also consider other kits(30 meters ONLY) of comparable value or less value plus cash....tnx.....

DAVE..AA2PF...
PART of the BUFFALO QRP CONNECTION.....

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>
Subject: [324] Mini Circuits Labs
Message-ID: <Pine.SUN.3.91.960702102613.19661B-100000@strong.Hydro.ON.CA>

Hello All

Anyone have schematics etc using the MCL MAR devices.
I have some of these "pin heads", and I think very small/few parts
projects can be had with them.
Any references/projects/anything using them??
Thanks fer ur feedback
Peter
P.S. I also have the MCL sp1 low noise mixers.

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [385] NEQRP Kit #3 makes QRP Quarterly
Message-ID: <199607030250.WAA03307@mail.voicenet.com>

Gang,

Bob Gobrnick's spanking new column in the July QRP Quarterly has does a good
job covering many of the regional US qrp clubs. Of special interest (to
NEQRP'ers) is his mention of the QRP AFIELD Twenty-30 Portable Mast Kit.
This is NEQRP's third club project and consists of a semi-kit for a twenty
foot antenna mast for portable field usage (like QRP Afield). As Bob
mentions, it is available through the club for \$15.00. He lists the address
for ordering, but with a slightly incorrect PO box number (that's kinda like
being a little pregnant). The real address is:

Bob Baker K1BKL
PO Box 6498
Nashua, NH 03061

Bob (Gobrnick) tells me that he has ordered one, so he must be impressed - of
course I hope he sent to the right address!

The kit was also the subject of a review in the latest 72 newsletter - with
pictures yet!

Proceeds from the first 30 kits are earmarked for the NEQRP treasury and the
offer is being restricted to NEQRP members until August 1, 1996. Contact me
at my home e-mail address for ordering info after that date. And ask about

the PVC Gusher II, a lightweight portable multiband dipole for camping, backpacking and those other outdoor qrp activities.

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com

home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996

From: w8iqb@tir.com (w8iqb)

Subject: [351] New (Old) Call

Message-ID: <199607021720.NAA00184@tir.com>

Hi Gang,

I finally received my old call back from the FCC yesterday. I am now officially W8IQB once again -- no longer KD8FR.

72/73, Lowell

Lowell D. Corbin, W8IQB President: Michigan QRP Club
3315 Sheffer Avenue MQRP #339 QRP-ARCI #6126 GQRP #4383
Lansing, MI 48906-2453 NorCal #493 QRP-L #312 QCWA #19573
(H)517-886-9815 E-Mail: KD8FR@AOL.COM
(W)517-885-9243 w8iqb@tir.com

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996

From: N5EM@aol.com

Subject: [370] Oops and Sorry

Message-ID: <960702183405_229838274@emout13.mail.aol.com>

I don't know how I sent a message about the Tx ATV Forum to the QRP-L but please accept my apology for it.

Ed, N5EM

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: bobsey@juno.com (Robert G. Seymour)
Subject: [359] pc board
Message-ID: <19960702.140012.7414.1.BOBSEY@juno.com>

Many construction articles tell how to make chassis, enclosures, etc. out of pc board material. Can anyone give me a source of affordable double sided board material for construction projects? I do not live near any electronic supply or surplus houses. Any info will be appreciated.
72,73, Bob, W0LK bobsey@juno.com

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Doug Hendricks <ki6ds@mail.telis.org>
Subject: [348] QRP ARCI Quarterly
Message-ID: <31D95110.6F36@telis.org>

Guys, I just received my July issue of QRP ARCI Quarterly, and it is a great issue. Editor Ron Stark and his staff have done an outstanding job of improving the quality of the QQ. This issue is 48 pages long, has several outstanding articles, and you will not read this in 15 minutes and throw it away.

Mike C's Column is filled with hints and kinks, and is outstanding as usual (even has a submission by KI6DS), Bob Gobrick has a great new column on clubs, Bruce Muscolino and Bob White feature Dayton 96, Richard Fisher has another outstanding Members column, but the best article in the whole journal is the great job that Larry East of this list did in summarizing the 49er mods. Larry took all of the info on the NorCal Web page on the 49er and rewrote it for the QQ. It is very well done.

Here is a copy of the Table of Contents:

Technical Articles:

An Update on the Forty-9er Transceiver, Larry East, W1HUE
Idea Exchange, Mike Czuhajewski, WA8MCQ (hints and kinks)
All-Band Dipoles, L.B. Cebik, W4RNL

Reviews:

The New Square Vibroplex Brass Racer, Bob Gobrick, VO1DRB
Comparison between the "old" and "new" QRP-Plus Transceivers,
Larry East W1HUE

The ARRL "Vertical Antenna Classics", Fred Bonavita, W5QJM

Operating:

The QRP Hall of Fame for 1996, Mike Czuhajewski, WA8MCQ

Milliwatting: 10dB below QRP, Bob White, W03B

QRP Really!, Bruce Muscolino, W6TOY

Members News, Richard Fisher, KI6SN

Contests, Cam Hartford, N6GA

Awards, Chuck Adams, K5FO

Miscellaneous

Notes from the President, Buck Switzer, N8CQA

Incoming Mail, Larry East, W1HUE

ARCI Sponsored 1997 Dayton Design and Building Contest,

Doug Hendricks, KI6DS

QRP Clubhouse, Bob Gobrick, VO1DRB

QRP Net Information, Danny Gingell, K3TKS

There is also information about the increase in dues. Buck gives full details as to the reasons for the increase in his report of the annual meeting held at Dayton. This Board of Directors is going to communicate with its members. We will do what we can to make sure that you know what is going on. One way of doing so is the President will summarize board of directors meetings in his column. That is a step in the right direction. Financial reports will be printed once a year, another good move.

The QRP ARCI is our national QRP organization. We need members, as our membership is not that high, around 1500 current active members. Which is only about 1/6 of the members who have joined. If you were a member in the past, please consider renewing your membership. We need you, we want you, and we will do what it takes to see that you get your money's worth. Yeah, I know all the old horror stories about missed issues, about late issues, about "tiny" issues with nothing in them. Those are in the past. We have corrected those problems. Mike Bryce is our membership chairman, and he is the one to contact about missing issues.

He will take care of the problem. As I mentioned above, Ron Stark, KU7Y is doing an outstanding job as editor, and his staff is working very hard to make QQ look good. We have a good team. The board has passed a resolution that every issue will contain 48 pages, and Ron and his staff have assured us that there is no problem filling it with information. Take the plunge and join QRP ARCI today.

Now, what can we do to increase membership? Here is my plan. I need every member of this list to belong to QRP ARCI. If you don't belong, join. If you do belong, consider this. Be a QRP missionary. Take the current issue and photocopy it and give it to a potential "QRPer". Let's see how many new members we can get. If we all get one, we will

double the membership. Or, give a membership to QRP ARCI to a friend.

Hams are great guys, but usually cheap. That is part of the nature of the hobby. But, even cheap guys know a great value when they see it. Membership in QRP ARCI is worth every penny. How do you subscribe?

Send your membership application to:

Mike Bryce, WB8VGE
2225 Mayflower, N.W.
Massillon, OH 44710

Effective July 1, 1996, renewal rates will be \$15 for US members, \$18 for Canadian members, and \$25 for DX members. The \$2 additonal initiation fee will be retained making new memberships \$17 US, \$20 Canada, and \$27 DX.

..... Cut Here

New Member/Renewal Data Sheet

Full Name _____ CALL _____ QRP# _____

Mailing Address _____

City _____ State/Country _____ Post Code _____

___ New Address? ___ New Call?

Check or MO in US Funds payable to QRP ARCI. Do not send Cash!!

.....

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [345] QRP++ RF GAIN KIT COMING SOON
Message-ID: <199607021625.MAA151324@nss2.CC.Lehigh.EDU>

Hello Gang,
Coming soon to a shack near you, a mod kit from Index Labs for RF gain control.

Bruce has been getting the parts together for an easy mod for RF GAIN

CONROL. It requires no new holes, and will use the old hole left vacant on the rear panel from the + to ++ upgrade.

I should receive my kit soon, I don't know how much it will cost, but Bruce says it is inexpensive. Just a couple of resistors and a pot, and a capacitor.

When he is all geared up for the mod he will offer it to the public. Namely us. So look for it at some time in the near future.

73 de AA1IK
Ernie

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Mike Boice <MBoice@ix.netcom.com>
Subject: [353] Ramsey v. Ten Tec kits
Message-ID: <1.5.4.32.19960702173019.0067eb38@popd.netcruiser>

I recently got an Ocean State Electronics catalog, and notice they sell Ramsey transmitter & receiver kits. I'm going to be building my own 1 W 30 meter transmitter, but thought I'd buy the receiver in kit form.

Both Ramsey & Ten Tec have one-banders for \$30. I've heard lots of good things about Ten Tec in general, but how about these receivers? How do the Ramsey kits compare? Do the Ten Tecs come with case (it's extra with the Ramsey)?

Or should I be looking at another brand altogether?

Thanks,

mike
KD0FX

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Philip Karras <ke3fl@access.digex.net>
Subject: [333] Reflections by Maxwell
Message-ID: <Pine.SUN.3.94.960702111457.20440C-1000000@access4.digex.net>

I wud like a copy of this book if anyone knows of where to get it, or if they are willing to let go of it. Thanks
"Reflections" by: Walt Maxwell.

72 & 73 de KE3FL/Phil
:-)

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: WJ4PRandy@aol.com
Subject: [381] RG-178-info please
Message-ID: <960702214332_426516695@emout13.mail.aol.com>

Hi gang,

I have this big spool of RG-178...

Its about the size of rg-174 but it is
made with teflon materials instead of
poly-umtiefraz...

Of course, the wire is silver plated...
(because of the teflon insulation...)

Does anyone have any info :
Loss and impedance ...etc?

Thanks,
Randy WJ4P

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [342] RTTY ON QRP++
Message-ID: <199607021613.MAA126612@nss2.CC.Lehigh.EDU>

Hello Gang, I have successfully tried rtty on my QRP++ with a slight
PTT/AFSK interface. The ++ has a slightly different mic. scheme.
I have a bmp. schematic for those ineterested in it, and I will try once
again to post it at the archives. Wish me luck!

Meanwhile has anyone figured out how to use the QRP++ for RTTY on 20
meters and above? The rig uses upper side band and inverting the mark and
space only works in the receive direction. I will work if both stations
invert. I tried that last night with a buddy on 2 meters for working the
bugs out. I thought of trying split frequencies but it would be a nightmare
to tune and I don't know if it would work anyway.

So whadaya think?

73 de AA1IK
Ernie

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: MRQUADROS@aol.com
Subject: [335] Sarex freq.?
Message-ID: <960702113536_568481653@emout16.mail.aol.com>

Sorry not exactly a qrp question, but I'll give it a try anyway. Is there a website that will tell the date and times the shuttle or the MIR will be over a certain area, like SF, CA??? Thanks for your help...John..KB6DLN

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: "Steve, N2MNN" <n2mnn@openix.com>
Subject: [375] Smitty, RG-174 coax for camping
Message-ID: <199607030123.VAA32162@pantera.openix.com>

At 11:04 AM 7/2/96 PST, you wrote:

>I am refering to that small 50 ohm coax. I think that it is RG174.
>Is this stuff too lossy to use as feed line for a camping antenna?
>Smitty, NA5K

Smitty,

Wes Hayward, W7ZOI, in Solid State Design, page 212, mentions using a 7 Mhz dipole with 40 feet of RG-174, for backpacking. He says the 40 feet gives only .7 db loss, and the additional weight of a heavier type of coax would not be acceptable for backpacking.

Steve, N2MNN

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: ji3m@scubed.com (James R. Duffey)
Subject: [323] Spartan Sprint
Message-ID: <v02130501adfedd0cc5a2@[192.31.66.229]>

14 QSOs at 65 pounds(!). I hope that I can hold my stranglehold on the heavyweight division. My goal is to keep out of last place:). Lots of fun

in a short time. I use my home rig, a TS850AT, Bencher Paddle, old Yaesu cans, a deep cycle marine battery, and my 30 M delta loop as an antenna. Whole thing works great, but is a bit heavy to "sprint" with.

Although this was an improvement over my 9 QSOs last sprint, the going was tough this time around. Lots of QRN from local and DX thunderstorms. I worked a total of 1 hor 30 minutes.

I left my log at home, but I think I made 9 contacts on 20 M and 5 on 40M. Calls I remember off the top of my head; AA7QU, N3LAZ, and KB2JE. AA7QU was booming in at over S9 on the meter. 20M was still under utilized, it was open solid at the end of the contest, with N3LAZ, AA7QU, and myself still calling CQ, but with no takers. Crank down your QRO rig and try 20M next time.

40M was good for CA, N6MM, AZ and several COs, including one working at 200mW! Although the signals were usually above the noise, the QRN drove me crazy after about 15 minutes and I went back to 20M.

Best DX-CT to the east, WA to the west. Heard a C02 on 40 with a T5 note calling CQ, but passed him up as he was not sprinting.

I need to pare my weight down for next time to insure that I stay out of last place. Lets see, a 6 or 7 AH 12 V battery ought to power the 850 for the 2 or so hours and weigh lots less than my deep cycle marine battery.

See you next month. - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest, NM 87008

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: bcutter@teal.csn.net (Bob Cutter)
Subject: [322] Sprint
Message-ID: <199607021417.IAA28265@lynx.csn.net>

Great night with the 49'er!

3 Q's at 0.7 lbs.

FYI my Cascade weighs in at 1.8 lbs with mic and both boards.

72, Bob KI0G

QBF? ZUE

Bob Cutter,Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From owner-qrp-l@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: jwg6@cornell.edu (Joel Govostes)
Subject: [313] Sprint and finally on the air
Message-ID: <v02120000adfecab5a23a@[132.236.155.60]>

Hi everyone. I got my peanut-whistle back working last night (after about 3 yrs off the air), put it in a neat little wooden box and changed my mickey-mouse connectors to "chassis" mounted ones. Got on 7040, and it was all clogged up with people calling CQ SP (??)! Thanks to QRP-L I quickly figured out what was going on, and jumped in with only a few minutes remaining in the sprint. Worked 3 stations as far away as NC (I'm near Ithaca, NY). Not bad for a single 2N2222, film-canister inductor and a dipole up 20 feet. It was fun just listening to the great signals, almost hard to believe it was all QRP! I figure I was pushing about 25-40 mw. Receiver is a Sangean ATS818, same as Radio Shack portable. Hope to work many of you in the coming months, 73 and keep up all the good work...
Joel N1AEP

From owner-qrp-l@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: N5EM@aol.com
Subject: [344] The Fastest 40-9er!
Message-ID: <960702124420_426152260@emout12.mail.aol.com>

QRP Wizards,

I would like to know what the record time in assembling, from sorted stack of parts to first on-the-air RF, the 40-9er.

This is not a joke. We are considering a building demonstration and seminar at the Austin, Texas Summerfest. We need a project that can be completed "before their very eyes". Projects under consideration include the Pixie2, Charlie-Tuner Z-Match and the 40-9er. This project should be doable in 30-40 minutes. After the construction and demonstration of an on-the-air QSO, the

kit will be given to a lucky seminar attendee.

So, how long did you take. Please, no pink smoke :-) I get enough of that at work.

72

Ed, N5EM

From owner-qrp-l@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: cjsterl@ix.netcom.com (Craig J. Sterling)
Subject: [311] TMPS update and comments
Message-ID: <199607021231.FAA17017@dfw-ix2.ix.netcom.com>

Gang,

As I said before , 30M is always full of surprises. Last evening while tuning around the band I heard a VE7, gave him a call several times ... nothing. Next thing I know F3NB (Andre) is calling me to say hello! We worked on 40M last winter and exchanged QSL cards. Now I can add an F3 to my TMPS totals! Next station I hear is QRP-L's #1, K5FO ... give him a call, exchange reports 539/Chuck & 559/yours truely. Good signal Chuck! After working K5FO I tune down the band and find 3B8CF calling CQ ... 599! Already worked him last week, so gave him a call, told him my QSL was in the mail ... and got a 559! EASY! AMAZING! Mauritius!!!! Again! Condx must have been FB!

Wonder how K5FO fared last evening? 3B8CF was real strong here in DC .. did K5FO hear him!

Oh, been answering CQ's with 950MW the past few days and been receiving 559-579 and 1 599! When I tell the other station I'm running 950MW, there's always a pause and "?????????"

Let's face it, if I needed reliable on demand radio communication between two distant points maybe QRO would be in order...but if it wasn't an emergency situation ... land line or E-Mail would suffice! Who needs amplifiers ... Hi!

TU'ALL,
Craig, AA3MD

Craig Sterling (AA3MD) cjsterl@ix.netcom.com
AA3MD TMPS 1996 Qs=128 States=34 Confirmed=08 DX=26 (5W)
MA ME NH VT NJ NY MD PA AL FL GA KY NC SC TN AR LA MS OK TX CA AZ OR WY

MI OH IL IN WI CO IA KS MN MO
EW VE1-3 LZ G XE 9A HA VP9 DJ OZ EA1 EA8 OK I GM C6 HB SP YT ZL CY0 OM
3B8 PJ2 CM F

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: na5k@juno.com (Smitty Smith)
Subject: [339] Using RG174
Message-ID: <19960702.110425.9638.4.na5k@juno.com>

I am refering to that small 50 ohm coax. I think that it is RG174.

Is this stuff too lossy to use as feed line for a camping antenna?

Smitty, NA5K

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: "Frank" <g3ycc@enterprise.net>
Subject: [349] What have you built?
Message-ID: <199607021819.SAA10607@mail.enterprise.net>

Thanks for the various folk who have told me what they have built from kits etc. What I really need is a run down on the project, so that others can evaluate it. How easy to build - finished project- manuals OK - how well it worked - how long it took etc. Also a picture of your work would be great.

Thanks

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Philip Karras <ke3fl@access.digex.net>
Subject: [332] RE: Best Antenna to Use Camping
Message-ID: <Pine.SUN.3.94.960702111402.20440B-100000@access4.digex.net>

I have had very good times with a 40 meter dipole designed to work at 15 to 25 feet up. I have a nice backyard with a number of skyhooks & I have experimented with dipoles and dipoles made from mobile whips.

The wire dipoles are better. However, I have been making a QSO a day at lunch time with 40 meters and a mobile whip on the car. I have used both my MFJ 9040 at 3 W, and a Ten Tec Century 22 at 15 to 20 Watts. I'll be taking both when I go camping this year & I'll let you know. I must admit, that I like the Ten Tec cause I can increase the pwr to 20W if needed to help out the guy at the other end. I start at 5W and move up if he's having problems. It's pretty easy to tell, he normally says I'm in the mud & 73. Then I increase to 20 W and ask if it's any better. If it is & he's will to continue that's fine, if not they tnx & 73.

72 & 73 de KE3FL/Phil
:-)

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Sjolín@aol.com
Subject: [384] Re: BUYER "BEWARE"
Message-ID: <960702222018_147891172@emout18.mail.aol.com>

In a message dated 96-06-30 23:29:39 EDT, microres@crl.com (Stanley Wilson) writes:

>Well ! still no book.
>
>History: Book ordered with check for full amount May 5, 1996.
>
>Response: NO BOOK... Three different reasons given via e-mail for non
> shipment to date. This week will make over 60 days.
>
>I think you owe me one authorgraphed book via Fed X at your expense and an
>apology for SUPER POOR service to date.
>
>

Stan, my check was dated May 1 and I got my book yesterday. Its great and is well worth the wait. BTW when is next ST. LOUIS qrp club meeting. I am here and St. Louis and would love to stop by. 72/73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [315] Re: CQ Herman Munster...
Message-ID: <Pine.OSF.3.91.960702093537.8679E-100000@saturn.acs.oakland.edu>

On Mon, 1 Jul 1996, Joe Gervais wrote:

> out the kids are watching "The Munsters" and Herman is on
> a ham radio (boat anchor, naturally...). A couple of kids on
> walkie-talkies are faking transmissions as Martians (sheesh,
>
> Oh, Herman's call is W6XRL/4 in case anyone cares to look
> it up. Wonder if he QSL's....

Was that part of the script??? Did he actually use the call
W6XRL(portable)4? I recall that there were NO calls with an X as the
first letter of the suffix, until recently. So that was the
ham-equivalent of a 555-xxxx telephone number.

73! =paul= wb8zjl

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [318] RE: CQ Herman Munster...
Message-ID: <01BB67F4.010979E0@muenzlerk.uthscsa.edu>

On Monday, July 01, 1996 3:26 PM, Joe Gervais[SMTP:vole@primenet.com] wrote:

>
>Howdy All,
>

>Oh, Herman's call is W6XRL/4 in case anyone cares to look
>it up. Wonder if he QSL's....
>
>Cheers de KC7NEV,
>
>-Joe, vole@primenet.com, AZ ScQRPion #7
>
>KC7NEV TMPS 1996 Qs=010 States=7 Confirmed=0 DX=000
> AK, CA, CO, KS, LA, OR, WA

Probably not, Fred Guinn (sp?) has been silent key for a couple of years.

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: JEVERHART@cayman.vf.mmc.com

Subject: [327] RE: CQ Herman Munster...
Message-ID: <960702103132.202034e9@carib.vf.mmc.com>

Paul, et al...

It ain't true that there arre *no* "X" calls. I believe that they are reserved for licensed experimental stations. Two such call signs we have had here at Lockheed Martin (nee RCA, GE, Martin Marietta) are/were: KK2XII and KA2XVX. Sigh... we *used* to do radio stuff here, now it seems that it's mostly software crud. :-) (BTW, I'm BSEE and MSCS)

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Steve Silverwood <kb6ojs@earthlink.net>
Subject: [355] RE: CQ Herman Munster...
Message-ID: <1.5.4.32.19960702175343.006b86bc@earthlink.net>

At 08:53 7/2/96 -0500, Kevin Muenzler wrote:

>Probably not, Fred Guinn (sp?) has been silent key for a couple of years.

It's Fred Gwynne, but otherwise I think you're right.

-- //Steve//

Steve Silverwood (Formerly with Computer Associates)
CompuServe: 76703,3035 Internet: kb6ojs@earthlink.net
America Online: KB6OJS Homepage: <http://www.earthlink.net/~kb6ojs>

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: jgann@mindspring.com (Alvin G. Gann)
Subject: [331] Re: Experimental calls
Message-ID: <199607021512.LAA04842@borg.mindspring.com>

.....
>> W6XRL(portable)4? I recall that there were NO calls with an X as the
>> first letter of the suffix, until recently. So that was the
>> ham-equivalent of a 555-xxxx telephone number.
>>
>

>Here at work, (The Desert Research Institute), we had the callsign
>of KA2XBW for almost 20 years. The class was experimental and

.....

There have been a lot of experimental calls whose suffix started with X the key is I don't believe that any WnXxx were ever issued. In the '20's there were several WnXx calls, MIT had W1XM and I think that the NYC radio station WQXR started life as W2XR in the '20's. The later experimental licenses were KxnXxx I believe. Someone may know for sure. Non-standard disclaimer: I've never worked for the FCC but I've picked up a lot of such trivia over the years. 72 --Jerry W1UI

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [336] RE: Experimental calls
Message-ID: <01I6LEP7KVSC00CAL5@ARWEN.UTHSCSA.EDU>

.....

>> W6XRL(portable)4? I recall that there were NO calls with an X as the
>> first letter of the suffix, until recently. So that was the
>> ham-equivalent of a 555-xxxx telephone number.
>>

For a very sort period of time in the late '70s, around 1978 I think, the FCC was experimenting with automating the callsign generation. They accidentally generated a lot of "X" calls. I was a member of a club station and we got a block of them (WB5Xxx) because several of the club members took their novice tests at the same time. They were all excited about getting the unusual calls! About a week later they got new calls. They were extremely disappointed!

Kevin, WB5RUE
wb5rue@amsat.org

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [373] Re: G5RV antenna
Message-ID: <Pine.SOL.3.91.960702194902.16855A-100000@utkux4.utcc.utk.edu>

Mike,

I used a G5RV for years--and before there was a G5RV, I used a center-fed 100' wire antenna on all bands. The G5RV idea was to make an antenna that was low SWR on some of the "old" bands using the 34' of 450-ohm plus coax the rest of the way. WARC ruined that idea.

The antenna will tune nicely with most ATUs on just about all the bands using all-450-ohm feedline. This is the lowest loss system, and the antenna performance will not be different from the patterns you get with the parallel+coax feed system. In a pinch, where metal stuff inside your house may create problems for the parallel feedline indoors, you can use a choke-type W2DU balun and then coax indoors from the 34' point to the rig--if the coax is less than about 20' long and is RG213 or better. But this system will be up to 1 dB lossy on the upper HF bands compared to an all 450-ohm system.

As an antenna, think of the G5RV as a 102' center fed wire. That is about half way between a centerfed Zepp for 80 and one for 40 meters. All can be 450-ohm fed with low loss and good success.

-73-
LB, W4RNL

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: JCoote@aol.com
Subject: [377] Re: G5RV antenna
Message-ID: <960702213345_229954009@emout10.mail.aol.com>

In a message dated 96-07-02 15:12:24 EDT, MBoice@ix.netcom.com (Mike Boice) writes:

>Anyone here have experience with a G5RV dipole? I can just squeeze on onto
>my lot, and was wondering what people thought of it. I do have one specific
>question about it: one book says feed it with 300-600 ohm ladder line
>(fine, I have some 450 ohm) cut to a "quarter or other odd wavelength at 14
>mHz." Another book says to cut the line to 34 feet, then feed with 50 ohm
>coax.

>

>Any real world experiences?

>

>thanks,

>

>mike

>KD0FX

>Richland, WA

The "true" G5RV relies on exact flat-top and feeder lengths to get an impedance -close- to 50 ohms on 80, 40 and above. This approach is fine and good for direct connection to coax, or for use with those cheap "coax only" tuners who barely have enough L/C within to match a 50-ohm dummyload antenna.

The G5RV is a good antenna design and I'm not knocking it.

You can also try other combinations of flat-top and feeder to see on which frequencies the system will accept a 50-ohm coax feed. This involves a lot of pruning and testing... those SWR checkers with the LCD graph work great.

Another approach is to make each leg of the dipole $1/8$ wavelength or longer at the lowest frequency you will use. Use whatever length feedline is needed to get to the tuner and then some. If the antenna will not tune up on all bands (by that I mean all nine bands.... 1.8-29 Mhz) then add or subtract feeder length. You should be able to get an antenna which tunes up on all bands. The antenna shape may be flat-top, vee, lazy vee.

G5RVs and Zepps are alike in construction, but the dimensions are critical for different reasons. The G5RV is cut for a reasonably low (close to 50 ohms) impedance on some amateur bands. Zepps are cut for special radiation patterns or high impedance feed on one or two harmonically related bands.

(A perfect pattern is a moot point in the suburbs with powerlines and proximity to ground and metal objects) Old Zepp lore still seen in Ham books dates back to the 30's and 40's when the finals in many Ham transmitters were harmonically related, push-pull and used balanced feeders. These days you could feed a Zepp, or double- $5/8$ Zepp with varying lengths of feeders and a tuner and still get that radiation pattern.

73, Jay
WB6AAM

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Tom Bowman <tbowman@nbn.net>
Subject: [379] Re: G5RV antenna
Message-ID: <2.2.32.19960703013932.00689dc4@nbn.net>

At 11:10 AM 7/2/96 -0700, you wrote:

>Anyone here have experience with a G5RV dipole? I can just squeeze on onto
>my lot, and was wondering what people thought of it.....

I've used the same G5RV since sometime in the late 1970s when I read about it in Ham Radio Horizons, a much-too-short lived ham magazine. But that's another story....

MY G5RV is 102 feet on the top, fed in the center with 29.5 feet of 300 ohm ladder line and 68 feet of RG-58 coax. No balun. Just solder the coax to the open wire. I've seen the length of the 300 ohm open wire feed vary depending on who is writing the latest article on the antenna.

The lengths I quoted worked quite well for me over 20 years or so. Back when I first put up the antenna, I used a TS-520 which had enough range in the adjustable pi-output to match the antenna on most all bands....

When I replaced the '520 with a TS-430, I used a homebrew version of Drake's MN-4 - again, a wide-range pi-network.

BTW, my G5RV in its present life is configured like an inverted Vee with the apex at about 40 feet. One of these years I'm going to clip off that coax and just feed it with 300 ohm open-wire which is probably much more efficient.

For a multi-band antenna, I'm satisfied with the G5RV.

Good luck,
Tom

Tom Bowman, WA3REY, Mount Gretna, PA 17064 tbowman@nbn.net

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [338] Re: Half-Square Antenna
Message-ID: <31D9AA04.2899@acsu.buffalo.edu>

Hi Kevin and all,

The formula for a half square is:

Top Leg: $492/\text{FREQ}=\text{feet}$

Verticals: $240/\text{FREQ}=\text{feet}$

Feed with 50 ohm line, connecting the top leg to the center conductor of the coax, the vertical to the shield.

If you have the 9/94 CQ you have the article by N4PC on this antenna. He loved it. Especially the 21deg take-off angle.

I will be QRV on 40M (7.040 +/-) from Rushford, NY, Allegany County, from Wed evening thru Friday eve. Rig will be MFJ 9040, antenna a half square. Hope to work a few QRP-listers and maybe a few county hunters!

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

TMPS 1996 Q's=117 WAS=27 Confirmed=05 DX=17
HW-9 @ 3W, MFJ941C, 142' Sloping Delta Loop
6W1 C6 CT3 DL EA ES HC LY LZ OM OZ SM U5 VE XE YT ZF
Worked all Canada= VE1 V01 VA2 VE2 VA3 VY2 VE6

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: na5k@juno.com (Smitty Smith)
Subject: [341] Re: Half-Square Antenna
Message-ID: <19960702.110425.9638.2.na5k@juno.com>

On Tue, 2 Jul 1996 09:59:49 -0400 KFGlynn@aol.com writes:

>Hi Gang,

>

>In a recent QRPP the half-square antenna was discussed. (Can't locate the

>issue at the moment...) Does anyone have any experience with this antenna?

> It sounds like the perfect thing to complement my delta loop for portable

>field operation.

I had good success with a Half Square antenna cut for 80 meters at my home station. It was fed at the bottom of one of the vertical legs. It also worked great on 40 and 30 meters.

Seems like it would be a good camping antenna, 1/2 half wave accross the top and 1/4 wave dangling down at the ends. For 40 meters, find two trees that are at least 33 ft high and 66 feet apart.

>

>Looking for formulas for horizontal wire and two legs. Also wondering if I

>brought the feedline off at a 45 degree angle vs. right angles, how would

catalog just to name a few. I have a 20 and 40m version. The 20m version I have used with good results, the 40m has yet to see some action. (size is a factor.)

72, de Phil AC6LS

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [366] Re: Half-Square Antenna
Message-ID: <Pine.SOL.3.91.960702163839.27836A-100000@utkux4.utcc.utk.edu>

Kevin,

A half-square antenna consists of (roughly) two quarter-wave length vertical sections about a half wavelength apart and connected by a wire at the top. If one has a primary interest in a single band, then it is fed at one of the two upper corners and can present something close to 50-ohms impedance for direct coax feeding.

The advantage claimed for the half square is that it presents a mostly vertically polarized field, with a low take-off angle, without a radial system. The verticals can be fairly close to the ground.

I modeled a 40 meter version. The vertical sections are 35' long, going from a height of 5' up to 40'. The half-wave section is 69.2' long. This seemed to maximize the vertical field, although I may not have gotten it to the absolute max. The input Z at the upper corner was resonant at about 60-ohms, and the impedance drops if the whole system is raised a bit. If the antenna runs from 35' to 70' at the top, the impedance drops to about 40 ohms.

The pattern is a peanut, with the max gain perpendicular to the horizontal wire. It is a more radical peanut than the oval patterns I described in the notes on the delta loop, and the max gain is about 3.1 dBi--more than that of the delta loop (which is to be expected from a pattern that is more radically pinched). The angle of max radiation with the bottom of the vertical wires 5' off the ground is 21 degrees, similar to that of the delta loop.

The model was of #14 copper wire over medium earth using Sommerfeld-Norton grounds on NEC-2. You can work out variations for other wire sizes and minimum heights. However, if you change the proportions of the vertical and horizontal sections, you will change the proportion of vertically polarized radiation. The result may be too much horizontally polarized radiation, which is mostly high-angle stuff. Keeping the proportions in the rough ballpark noted here will keep the

antenna mostly vertically polarized for better dx signal to noise ratios.

Feeding the antenna with 450-ohm line is feasible with an ATU. If fed at the same point, there will be no difference in 40 meter performance. I have not looked at the patterns and impedances for other bands. Feed the antenna at right angles to the wires for a significant distance. This means bringing the feedline from the upper corner horizontally away from the junction in a direction perpendicular to both the vertical and horizontal wires. A gentle slope of the feedline toward the ground should cause no problems.

Good luck with the antenna.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [334] RE: Hamstick/magmount
Message-ID: <960702111634.202034e9@carib.vf.mmc.com>

Bob, you queried:

>I did not pay attention the last time this was discussed, please forgive me.
>
>Can I use a single magmount with my 6M Hamstick or do I need one of those
>big 3 magnet ones?

You can use either magmount, but the three magnet jobbie helps keep the darned thing from blowing off your car :-).

Seriously, I've used 20, 30 and 40 meter Hamsticks with a "single element" magmount when I was stationary. But at highway speeds the windload made the magmount slide across the car roof. That does *wonders* to the paint job. The six meter antenna may have less windloading, but I prefer to err on the side of caution.

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996

From: na5k@juno.com (Smitty Smith)
Subject: [340] Re: Hamstick/magmount
Message-ID: <19960702.110425.9638.3.na5k@juno.com>

On Tue, 2 Jul 1996 08:17:05 -0600 bcutter@teal.csn.net (Bob Cutter)
writes:
>Can I use a single magmount with my 6M Hamstick or do I need one of
>those
>big 3 magnet ones?

I got rid of my 6M Hamstick and got a little whip and cut it as 1/4 wave
for 6 meters. That's only about 5 feet. Now I use a single magmount on
the roof of the car and don't have to take off the antenna when I go into
the garage because the whip is quite flexible.

CUL,

Smitty,

NA5K

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [314] Re: N90UH now WB9VHF
Message-ID: <Pine.OSF.3.91.960702091730.8679C-100000@saturn.acs.oakland.edu>

On Mon, 1 Jul 1996 plquick@facstaff.wisc.edu wrote:

> With great emotion and sentimentality, I announce that through the Vanity
> Callsign arrangement, I have regained my first callsign, WB9VHF.
>
> I was first licensed in either 1976 or 1977 (not sure when and it's driving
> me crazy) and I allowed this beautiful callsign to lapse. I really prefer
> to have a "W" callsign.

Very cool, Paulette! That call pulled a 8.5 on the ZJL scale! Congrats!!!

73 =paul= wb8zjl

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: na5k@juno.com (Smitty Smith)

Subject: [337] Re: QRO Bigots ???

Message-ID: <19960702.104214.9638.1.na5k@juno.com>

Well, like in any communications, you got your senders and you got your receivers.

It ain't that hard to send out a signal with one of these little qrp rigs, providing you got a good antenna.

On the other hand, sometimes it's pretty hard to receive our signals.

So, I always appreciate the Ham, QRP or QRO, who is willing to put up with my little peanut whistle signal long enuf to call it a QS0.

Remember, when you have one hand tied behind your back, you gotta use skill and finesse AND have a good antenna. That's just one of the aspects that makes QRP so much fun!

CUL,

Smitty, NA5K

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996

From: Brien Pepperdine <pepperb@gov.on.ca>

Subject: [361] Re: QRO Bigots ???

Message-ID: <Pine.OSF.3.93.960702154002.30095A-100000@govonca2.gov.on.ca>

In this vein... last week while waiting for our local qrp net to begin I heard a reasonably strong CQ just up from our QRG... so I answered. Fellow was qrp, which was a bit evident but not a lot. Still, I heard his signal and knew it was not the strongest.. but then I do QRP myself, right? Anyhow, many would not have called him, but I did in spite of his strength, and in spite of the fact that it was also evident he had a warbly note. He was running a homebrew MOPA (Master Oscillator/Power Amp) rig, aka a one tube glowbug. Nice to hear it, and have 23 minutes with a fellow qrper and tube/homebrew user. But, many would not have called him based on the strength and warble. Their loss, I guess.

(BTW, he sounded about the same as Boatanchor Bob Keys' Hartley machine, Bertha or somesuch, so no worse than the Artist Bob himself's copper coils. No offense to anyone, Bob included, its just the way they sound. Anyhow, over the weekend, I heard some fellows talking rigs, hitech and all, and the one OT said, 6AG7 and 6L6, that's all anyone needs for a good cw sig.)

Brien
Toronto

VE3VAW
pepperb@gov.on.ca

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: "Kerry W. Miller" <kmiller@flash.net>
Subject: [376] Re: QRO Bigots/Warbly tone
Message-ID: <2.2.32.19960703012605.00676ae8@pop.flash.net>

At 03:50 PM 7/2/96 -0400, you wrote:

>Anyhow, many would not have called him, but I did in spite of his
>strength, and in spite of the fact that it was also evident he had a
>warbly note. He was running a homebrew MOPA (Master Oscillator/Power Amp)
>rig, aka a one tube glowbug. Nice to hear it, and have 23 minutes with a
>fellow qrp'er and tube/homebrew user. But, many would not have called him
>based on the strength and warble. Their loss, I guess.

>

>. No offense to anyone, Bob included, its just the way they sound.

I hate to sound like an old timer, but I still remember when everybody had a distinctive tone/keying characteristic/fist. It's not necessarily bad as long as it isn't a harsh click or bad chirp. It was kinda' fun to be able to recognize folks by their fist, just like recognizing their voice on ssb or on the telephone.

I was licensed in 1976, this isn't exactly ancient history (but I guess it is fast becoming so). . . .

73,
Kerry
WD5ABC

72 just seems awkward to me...

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [364] Re: QRP ARCI Quarterly
Message-ID: <Pine.SUN.3.90.960702133827.20227C-100000@vortex.sage.dri.edu>

Hi Doug,

Thanks for the kind words.

I can't say enough about the quality of the staff that do all the work on the Quarterly. Not only are they good, but they are also good to work with.

And one more thing that I think lots of people may not realize is that the BoD fits into this picture also. They have been behind the push to get the Quarterly looking better, reading better and out of the red!

Thanks to all, cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [358] Re: R/S DSP
Message-ID: <199607021835.0AA15703@mh004.infi.net>

Hi Chuck,

You said:

>Radio Shack DSP Noise Reduction system #21-543 Regularly \$79.99 now
>on sale at \$34.97? I have found 9 of them. Should I go and get them?

Here's another opinion on the Radio Shack DSP filter. I bought one mainly because they are so cheap.

Lately I've been using my NW8020 rigs which all have two pole audio filters. The filter works fine when the rig is aligned properly so the BFO, the sidetone you hear and the filter are all on the same frequency. It's pretty narrow, and just about wipes out nearby signals.

But, when I hooked up the DSP unit to play around, I got a very pleasant surprise. Signals that were very faint and buried in the noise were pulled right up and out. It was very nice to be able to copy such a signal at loudspeaker volume. The DSP unit has a nice audio amp.

Having said that, I haven't been using the DSP unit much. The reasons:

1. It uses at least an amp of power. I usually operate battery power, even in my shack, just for the fun of it (some people operate at .95 watts just for fun) So, I don't want to fool with the extra power hook up.
2. Now that I can hear these ultra-weak stations better, I have little confidence that they can hear me. My rigs are all pretty well balanced in the xmit/rcv sense. If I can hear 'em, I can work 'em. (and I hear most of 'em) So, better copy of the really weak ones may not do much for me. Of course, the Fox hunts are an exception. I will probably use the unit for Fox hunts.
3. The unit is as big as my rig. If I don't need it, why take up the space?
4. When tuning around the band, I often flip the audio filter off, to hear a broader spectrum. The DSP adds another switch that must be flipped.
5. It sure throws my signal strength estimates off!! This is a matter of practice, but the first time I started to give a signal report, I just plain didn't know what to say. (heard tell some people use some new-fangled gadget called an S-meter, but not me. The good Lord gave me ears, and they's good enough for me.)

So, the bottom line is that the RS DSP unit is a nice piece of electronics and fun to fool with. The amp alone should find many uses in the shop. It's in a nice case. It's worth the \$35. It works on CW, (I don't know about SSB) but will probably only be used for very special situations in this shack.

CUL,
Bob Kellogg, AE4IC
Prolably, but not nececelery. - Benny Hill

AE4IC TMPS 1996 QS=22 States=6 Confirmed=3 DX=14

NY,TN,TX,KS,PA,MD

G,OK,GM,UT,SH,DL,U,3B,YO,F,VA,LZ,EI,SP

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: jbartac@max.state.ia.us (jbartac)
Subject: [363] Re: RTTY ON QRP++
Message-ID: <31D9A478.3F46@max.state.ia.us>

You can use the QRP++ on RTTY at 20 M and above if you have a TNC, modem, or whatever is doing the converting back to the computer to invert the

"sense" of the audio sigs out to the rig AND as received from the rig's audio output back to the modem, MCP, TNC. That is the easiest way to do it. I have often helped a neophyte on RTTY who is sending (but maybe not receiving) in the reversed "sense".

When the sunspots return there will be a lot of RTTY DX out there. Go get 'em with your QRP ++!

Vy 72,
Jerry KD0CA

From owner-qrp-l@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>
Subject: [326] RE: Spartan Sprint
Message-ID: <F8F0D83101172C16@mhsgate.meth-mem.org>

>
> From: ji3m@scubed.com (James R. Duffey)
>>booming in at over S9 on the meter. 20M was still under utilized, it was
>open solid at the end of the contest, with N3LAZ, AA7QU, and myself
>still
>calling CQ, but with no takers.
>crazy after about 15 minutes and I went back to 20M.
>
>Best DX-CT to the east,
>
>James R Duffey KK6MC/5 DM65
>30 Casa Loma Road
>Cedar Crest, NM 87008
>
>
>

Hi Duffy es others. I stayed on 20 until 9:00 pm cdt then switched to 40m. Agree wid u re the qrm, qrn, es just plain mess. While working a bunch of qrp stations east, north, and south of Memphis, TN, all attempts outside of a TX es MO contact west of the Mississippi were a failure even wid the 2 element quad beam pointed toward la-la-land. I listened fer u 6 and 7 landers but not a peep. I agree wid u, Duffey, that 20 is under-utilized. We should also spread our sigs out just

a little more than 500 hz and use a bit more of the band, hi hi. To those ops that insisted on keying 25-35 wpm, I heard you and tried to copy but not everyone is

as perfect as you. QRS! I worked a couple of guys who are on the list es work slower than me. I know how difficult it can get and I really wanted to work wid them, as well. Well that was worth at least 2 s units. cul next month de Mike, KR4IT

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [316] RE: Summer Homebrew Sprint
Message-ID: <01BB67F2.FF49E500@muenzlerk.uthscsa.edu>

On Monday, July 01, 1996 10:55 AM, Cam Hartford[SMTP:camqrp@cyberg8t.com] wrote:

>Gang -

>

>Field Day) and reassemble your station in your comfortable, air-conditioned
>and bug-free shack.

>

>72/73,

>Cam N6GA

Don't know about bug-free but got air! :)

Kevin, WB5RUE

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: teda@lexis-nexis.com (Ted Albert)
Subject: [317] Re: T Kit Rcvr Manual Error
Message-ID: <199607021355.JAA05216@rain.lexis-nexis.com>

=20

I have to agree with the touchy regen on the T-Kit receiver. The MFJ =
World=20

Band Regenerative receiver slips into regeneration very smoothly. The =
T-Kit

is really ragged when using the speaker and will knock your headphones =
off=20

even at low audio. I have tried removing the extra inductor and cap,
L10 and C43, but that didn't help much.

I haven't had a chance to build the Pip Squeak that was featured in
the Dayton Building contest and the March issue of QRPp. I wonder how
smoothly it slips into regeneration?

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [360] Re: The Fastest 40-9er!
Message-ID: <Pine.OSF.3.91.960702151503.18018A-100000@saturn.acs.oakland.edu>

On Tue, 2 Jul 1996 N5EM@aol.com wrote:

> This is not a joke. We are considering a building demonstration and seminar
> at the Austin, Texas Summerfest. We need a project that can be completed
> "before their very eyes". Projects under consideration include the Pixie2,
> Charlie-Tuner Z-Match and the 40-9er. This project should be doable in 30-40
> minutes. After the construction and demonstration of an on-the-air QSO, the
> kit will be given to a lucky seminar attendee.

Easy. A 49er can be put together in under 30 minutes. I think I built mine that quickly, all you are doing is tossing a couple dozen parts on the board. No coil winding. It takes MUCH longer to box one up into a finished unit (see the new QRP Quarterly for an OUTSTANDING example).

Not-so-easy, demonstrating that it works. Even if you assemble it correctly, QSOs on 49ers are VERY challenging! It's also difficult to "demo" the sound to a large crowd as you'll need a big audio amp system.

73 =paul= wb8zjl

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [347] RE: Using RG174
Message-ID: <01I6LHGQ7LZS00CAL5@ARWEN.UTHSCSA.EDU>

On Tuesday, July 02, 1996 6:04 AM, Smitty Smith[SMTP:na5k@juno.com] wrote:

>I am refering to that small 50 ohm coax. I think that it is RG174.

>

>Is this stuff too lossy to use as feed line for a camping antenna?

>

>Smitty, NA5K

>

>

It's not too bad at HF. Probably about 6 dB/100feet at 30 Mhz, much less at 7 or 10 Mhz.

Won't handle more than about 20 watts though.

Kevin. WB5RUE
wb5rue@amsat.org

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [350] RE: Using RG174
Message-ID: <960702131922.202034e9@carib.vf.mmc.com>

Smitty, you wrote:

>I am refering to that small 50 ohm coax. I think that it is RG174.
>
>Is this stuff too lossy to use as feed line for a camping antenna?
>

It is not too lassy, depending on freuqncy and length. Data from a Belden catalog says the following:

MHZ dB/100 ft

1	1.9
10	3.3
50	5.8

So 35 feet or so won't be too bad up to 20 meters.

By comparison, here's the attenuation for common RG-58

MHZ dB/100 ft

1	.33
10	1.2
50	3.1

I managed to latch onto some RG-122 with the following numbers:

MHz dB/100 ft

1	.4
10	1.7
50	4.5

The '122 isn't as small or light as '174, but it **is** about 30% lighter and smaller in diameter than '58 and has acceptable loss.

GL and 72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Murray Ehrlich <mehrlich@linknet.kitsap.lib.wa.us>
Subject: [352] Re: Using RG174
Message-ID: <Pine.SUN.3.91.960702102913.19889A-100000@linknet.kitsap.lib.wa.us>

Rg-174 has the following loss characteristics:

Mhz	dB	% of power actually xmitted
10	3.8	42
50	6.5	22
100	8.9	13
200	12.0	6

Figures shown have been rounded off.

73, Murray K7AU

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [357] Re: Using RG174
Message-ID: <199607021847.SAA06672@chuck.dallas.sgi.com>

Smitty et.al.,

>From the NA5N handy-dandy book:

RG-174 Belden No. 8216 VF=0.66 3.3 dB/100' for 10MHz
5.7 dB/100' for 50MHz attenuation

Can't live without the book now. Paul can pay me later for
this little ad. :-)

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO Tmps 1996 Qs=043 States=22 Confirmed=11 DX=02 (0.95W)
AL AZ CA CO DC FL IL IN MD MI MO NC OH OK OR SD TN TX UT WA WI WY

From owner-qrp-1@Lehigh.EDU Tue Jul 2 23:34:32 1996
From: Hank Kohl <k8dd@tir.com>
Subject: [371] RE: Using RG174
Message-ID: <199607022246.SAA04396@tir.com>

>Date: Tue, 02 Jul 1996 11:56:23 -0500 (CDT)
>Reply-To: wb5rue@amsat.org
>Sender: owner-qrp-l@Lehigh.EDU
>From: Kevin Muenzler <wb5rue@amsat.org>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: RE: Using RG174
>X-Cc: na5k@juno.com
>X-Listprocessor-Version: 7.2 -- ListProcessor by CREN
>
>On Tuesday, July 02, 1996 6:04 AM, Smitty Smith[SMTP:na5k@juno.com] wrote:
>>I am refering to that small 50 ohm coax. I think that it is RG174.
>>
>>Is this stuff too lossy to use as feed line for a camping antenna?
>>
>>Smitty, NA5K
>>
>>
>
>It's not too bad at HF. Probably about 6 dB/100feet at 30 Mhz, much less
at 7 or 10 Mhz.
>Won't handle more than about 20 watts though.
>
>Kevin. WB5RUE
>wb5rue@amsat.org
>
>
>
Gee....Don't tell my IC-751A....Or the wattmeter....It shows about 100 watts
output when I get "cranked up". And it didn't melt, either. It's a 10' jumper
made out of RG 174 with phono connectors, and adapters on each end to go to
BNC with an adapter on the end of that to go to PL 259.
Lossy? I suppose so, but that jumper was in line on 30M when I worked the
CY0, U5 and OE last week. So yes, it does have more loss than RG 58, but
too lossy? That's relative. If you are running 5 watts or lotsa watts - naw.
If you're running 1 watt, well then it may be a bit lossy!

Heck, on 30M it may be somewhere between 1.7 and 3.8 db loss.

On the other hand, if you use it and make QSO's and have a few chats with hams
more than 25 miles away - I'd use it again!

Oh, by the way - if you do make QSO's with it, don't put a wattmeter on it to
see how lossy it was - probably better off not knowing!

73 Hank

*/ Hank Kohl K8DD k8dd@tir.com

*/	MI-QRP	QRP-ARCI	G-QRP	NoiCal
*/	ARRL/LM	QCWA/LM	QCAO/LM	